

	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
15842650.b	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	MTDVDPHATRRDLVNPIP				
15610217.b																MTDVDPHATRRDLVNPIP				
31794259.b																MTDVDPHATRRDLVNPIP				
1mrn_PKN																GSHMT			T	
23465764.b																MDNTPMR				
2phb_PHK																				
113r_PKA																-GNAAAAKGXEQESVKF	FLAKAKEDFLKKWETPSQ			
2erk_Erk2																AHHHHHHMAAAAAGPENVRGQ				
1jwh_CKII																MSGVPSRARVYTDVNTHR	-REYWDXVSHVV			
32475105.b	MHAIALPRCSLSWARGTFFVYRFPVRRIKSQTSCVMTSRQSACQRRASTAEDSTLDLDEILLACLEADEEGGNPQRVWELLPARFQNDAAAGDRSGRFVLVEMVKMSMAIAVQNECPRNLDDYFDTFPEWFSAESAPFDLVMEIQLRRECQTPHEAHYRNRFPHESVLKPLFDSSGDQHAsIAKTRRRGTPTEL																			
32476397.b																-MINTFHSPLNNNVVHSR-MTVKTTT	-TIAP			
1liax_TGFBR																EDPSLRPGSECTTLKLIDYDMTTSGGGSGPLKLIV				

	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390	40	
15842650.b	AELL	EAGG	DFN	VEB	I	RGG	G	VVY	RCV	QPSL	RAAV	VAKVL	STD	LDRDN	L	ERF	R	QRM	GRLS	C	
15610217.b	AELL	EAGG	DFN	VEB	I	RGG	G	VVY	RCV	QPSL	RAAV	VAKVL	STD	LDRDN	L	ERF	R	QRM	GRLS	C	
31794259.b	AELL	EAGG	DFN	VEB	I	RGG	G	VVY	RCV	QPSL	RAAV	VAKVL	STD	LDRDN	L	ERF	R	QRM	GRLS	C	
1lmr_PKN	PSHL	SDRV	E	IL	F	FGGM	SE	HLARD	DLR	D	VAKV	VLRAD		LADP	SFS	VY	FLR	RE	AA	ALN	
23465764.b	PFKL	YDF	VCM	LMS	SCAT	A	T	V	LYN	NQMP	R	PAB		H	PAV	WY	D	IGE	A	TP	
2phf_PKA	G	FYEV	EN	VEP	KI	LL	RG	V	SVR	RRCI	H	KPTCKE	VAKV	II	D	TFG		G	SFS	AEV	
113r_PKA	NTAQD	QDF	PRK	I	LL	TG	EG	GRV	MVK	KH	ESCNH	YAMK	ILDQ	K	GSFSA	EEV	QEL	RE	ATL	KE	V
2erk_Erk2	Y	VD	G	P	R	T	N	Y	IC	Y	CA	DN	LN	KV	AI	SP	Y	Q	DK	Y	
1jwh_CKII	EVG	QDD	Y	LV	W	KL	R	Y	CK	Y	SE	FEA	IN	T	NEK	Y	W	KL	K	V	
32475105.b	VGA	WV	V	D	CE	II	KL	O	CG	FA	A	VY	YLAR	ON	SM	S	RL	V	AKV	Y	
32476397.b	GY	EP	ITG	D	PL	E	SH	CG	FG	FG	W	VLAN	AP	GG	K	AKV	W	FG	AN		
1lias_TGBBr	ORT	ART	V	LE	PL	E	SH	CG	FG	FG	W	VLAN	AP	GG	K	AKV	W	FG	AN		

	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790	80
15842650.b	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
15610217.b	GRRLILILIHPSPGFCKSTLAAQWREELSRDGAAVAWLTIDDDNNEVWFLSHLLES-IRRVRPTLAESLGHVLEEHGDDAGRYVLTSLIDEIHENDRIAVVIIDDWHRVSDRSRQAALGFLLDNGCHHLQLIVTSWSRAGLPVGRLRIGDELAIDSAA	ALRFDTDEAAALLNDAGGLRLPRAADVQALTTSTDGWAA																		
31794259.b	GRRLILILIHPSPGFCKSTLAAQWREELSRDGAAVAWLTIDDDNNEVWFLSHLLES-IRRVRPTLAESLGHVLEEHGDDAGRYVLTSLIDEIHENDRIAVVIIDDWHRVSDRSRQAALGFLLDNGCHHLQLIVTSWSRAGLPVGRLRIGDELAIDSAA	ALRFDTDEAAALLNDAGGLRLPRAADVQALTTSTDGWAA																		
1mrw_PKN	GRRLILILIHPSPGFCKSTLAAQWREELSRDGAAVAWLTIDDDNNEVWFLSHLLES-IRRVRPTLAESLGHVLEEHGDDAGRYVLTSLIDEIHENDRIAVVIIDDWHRVSDRSRQAALGFLLDNGCHHLQLIVTSWSRAGLPVGRLRIGDELAIDSAA	ALRFDTDEAAALLNDAGGLRLPRAADVQALTTSTDGWAA																		
23465764.b	ITVGILAAITAALIFAVVVPRMDSATGSDTKVATPGTKDDDDNRRNQQDDVITD-TANAQIPSPENLNQTYAADG-SVTFTWTNPDPQSQGDTYAWAIQGSNTDQSQAQTVTTS-DPTVTVNAQEGSQTCIQSVIRKRNQMSVSPAIAAAKQPE-																			
2phk_PHK	TEF																			
113r_PKA	FKFDMELDLPLKEKLKEFETARFQPGYRS																			
2erk_Erk2																				
1jwh_CKII	IWNSVAFFPLGVGLIVGVYTRASARALKATRGESVGEDELNSMLRLGYRAASIGGT-CWLIAAGLVPLLLKARFDEFITDQGAVHFFISLLIGGGVAMVYPLFALNVATCVHY-KMIRQTMRDINFERNHSQQMIGDSESFLIAAVIPLMGAALMFVSEQQKEYLLIAITAGMIGLLGAFASYRILIVRTWAVLSE																			
32475105.b	SRVATLHSACPLDLHSLVLIIDTMHTIARLAEASDRIPPATILHFLKSQQYREGRTDHFRSLSSRWIYNVPRSGTTEGMRPLGRLAMIDHAKTIDSGLRESIDHLAAVCGRIPSYYIIGSLSGGTASGMVMDLAPRINTILDEAGLESASVPLLSVQGNPHQPLTHDSFAAISEIGHYMLPENSYPGDSGV																			
32476397.b																				

15842650.b ALRRAALSLRGGGDATQLRLCSLGASDVIHFLSEVLDITLEPFLREFLIVASVTERTCGGLASALAGITINGRAMLEEAHRLQLFLQRTEDDNWFRFHQMFAFDLFLHRRLERGGSHRAELHRRASAWFAENGYLHEAVDHALAAAGDPARADLVEDETINLPESQSKMTLLIAVQKLPITSMVGSARLQLATAWANILL  
15610217.b ALRRAALSLRGGGDATQLRLCSLGASDVIHFLSEVLDITLEPFLREFLIVASVTERTCGGLASALAGITINGRAMLEEAHRLQLFLQRTEDDNWFRFHQMFAFDLFLHRRLERGGSHRAELHRRASAWFAENGYLHEAVDHALAAAGDPARADLVEDETINLPESQSKMTLLIAVQKLPITSMVGSARLQLATAWANILL  
31794259.b ALRRAALSLRGGGDATQLRLCSLGASDVIHFLSEVLDITLEPFLREFLIVASVTERTCGGLASALAGITINGRAMLEEAHRLQLFLQRTEDDNWFRFHQMFAFDLFLHRRLERGGSHRAELHRRASAWFAENGYLHEAVDHALAAAGDPARADLVEDETINLPESQSKMTLLIAVQKLPITSMVGSARLQLATAWANILL  
1lmru\_PKN  
23465764.b  
2phk\_PHK  
113r\_PKA  
2erk\_Erk2  
1jwh\_CKII  
32475105.b VLSNETTATPR  
32476397.b DWSGVPAcRNPLRNAYVVVDGDHALPKSGSAAAATMVDYLWADAIGAGELLAEARRSQDAAVIAKPMRSVGVARIKCVRALEENILAPAAARHLILRWLGNPNEBSRQIAQGPTTERLRKRCGLDIANYLDEVKAPFGQDADNTARNLSEMRLFSLSVQEIMDGPRITRLKEKLSECDVLDRLDRRAATQMVMLRREVGV  
1lias\_TGFbR

